IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alan J. HEEGER et al.

Title: REAGENTLESS, REUSABLE,

BIOELECTRONIC DETECTORS AND THEIR

USE AS AUTHENTICATION DEVICES

Appl. No.: 10/810,333

Filing Date: 3/25/2004

Robert Thomas Crow Examiner:

Art Unit: 1634

Confirmation

Number:

8242

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT **UNDER 37 CFR §1.56**

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98. Document A1 listed on the attached Form PTO/SB/08, was cited as being relevant during the prosecution of the corresponding International Application, PCT/US04/09327. A copy of the International Search Report is attached setting forth the portion of the document considered relevant by the examiner.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present

SVCA 50226.1 -1-

application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie art reference against the claims of the present application.

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Fees in the amount of \$180.00 in accordance with 37 CFR §1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR §1.97(c) are being paid by credit card via EFS-Web.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by the credit card payment instructions in EFS-Web being incorrect or absent, resulting in a rejected or incorrect credit card transaction, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date 25 January 2007 By la E1

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	Substitute for for	m 1449/l	PTO	Complete if Known		
	INFORMATION D	DISCLO	SURE	Application Number	10/810,333	
	STATEMENT BY	APPLI	CANT	Filing Date	3/25/2004	
	Date Submitted: 25	5 Janua	n, 2007	First Named Inventor	Alan J. HEEGER	
	Date Submitted, 25	Janua	iy 2007	Art Unit	1634	
	(use as many sheets as necessary)			Examiner Name	Robert Thomas Crow	
Sheet	1	of	3	Attorney Docket Number	327823-1052	

U.S. PATENT DOCUMENTS						
Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant		
No. ¹	Number-Kind Code ² (if known)		Cited Document	Passages or Relevant Figures Appear		
AL	6,221,586 B1	04-24-2001	Barton et al.			
	Cite No. ¹	Cite No.1 Number-Kind Code ² (if known)	Cite No.1 Document Number Publication Date MM-DD-YYYY	Cite No.1 Number-Kind Code ² (if known) Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Document		

	UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document Serial Number-Kind Code ² (<i>if</i> known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>If known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
·	C24	Bock et al. "Selection of single-stranded DNA molecules that bind and inhibit human thrombin" Nature 355:564-566 (1992)	
	C25	Bowtell, D.D.L. "Options available-from start to finish-for obtaining expression data by microarray" Nat. Genet. 21:25-32 (1999)	
	C26	Brazill et al. "Sinusoidal voltammetry: a frequency based electrochemical detection technique" J. Electroanal Chem. 531:119-132 (2002)	
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Examiner Signature	Date Considered	

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	INFORMATION DIS	SCLO	SURE	Application Number	10/810,333	
	STATEMENT BY A	\PPLI	CANT	Filing Date	3/25/2004	
	Data Submitted: 25	lonus	n, 2007	First Named Inventor	Alan J. HEEGER	
	Date Submitted: 25	Janua	iy 200 <i>1</i>	Art Unit	1634	
	(use as many sheets	as ne	cessary)	Examiner Name	Robert Thomas Crow	
Sheet	2	of	3	Attorney Docket Number	327823-1052	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [®]
	C30	Cox et al. "Automated Acquisition of Aptamer Sequences" Comb. Chem. & High Throughput Screening 5:289-299 (2002)	
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Examiner	Date	
Signature	Considered	

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